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JUN 23 2005

# Fax

To: Mail Stop AMENDMENT      From: William D. Zahrt II  
Examiner Tianjie Chen

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Fax: (703) 872-9306      Pages: 11, including this page  
TC 2652 - Before Final

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Phone: (571) 272-7570      Date: June 23, 2005

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Re: U.S. Patent Application Serial  
No. 09/943,859      Atty Docket no.: 1012-003

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Response/Amendment to Office Action       Information       Other

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the United States Patent and Trademark Office on June 23, 2005

  
Nghi Nguyen

With reference to serial number 09/943,859, the following are being submitted:

- Fax Cover Sheet with Certificate of Transmission
- Transmittal for Enclosures
- Response/Amendment

Docket No.: 1012-003

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Kyusik Sin et al.  
 Serial No.: 09/943,859  
 Filed: Aug 30, 2001  
 For: SPIN-DEPENDENT TUNNELING  
 READ/WRITE SENSOR FOR HARD  
 DISK DRIVES

Confirmation No.: 2190  
 Examiner: Tianjie Chen  
 Group Art Unit: 2652

TRANSMITTAL FOR ENCLOSURES (check all that apply)					
<input checked="" type="checkbox"/> Response / Amendment <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/Declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement, PTO Form-1449, & cited Reference(s) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53		<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Request for Refund		<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): • Fax Cover Sheet with Certificate of Transmission	
Remarks					

The fee, if required, has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEES
Total Claims	20	20	0	x \$18 =	\$ 0.00
Independent Claims	4	4	0	x \$80 =	\$ 0.00
If multiple claims newly presented, add \$360					
Fee for extension of time					
Other:					
TOTAL FEE					\$0.00

- Please charge Deposit Account No. 50-0374 in the amount of \$ 0.00. An additional copy of this transmittal sheet is submitted herewith.
- The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 50-0374, including any filing fees under 37 CFR 1.16 for presentation of extra claims and any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

William D. Zahrt II  
 Registration No. 26,070  
 Date: June 23, 2005

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Signed:

Nghi Nguyen

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JUN 23 2005

Docket No.: 1012-003

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:	Kyusik Sin, et al.	:	Confirmation No.:	2190
Serial No.:	09/943,859	:	Art Unit:	2652
Filed:	8/30/2001	:	Examiner:	Tianjie Chen
For:	SPIN-DEPENDENT TUNNELING READ/WRITE SENSOR FOR HARD DISK DRIVES	:		

Mail Stop AF  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**RESPONSE /AMENDMENT**

Sir:

The following Amendment and Remarks are submitted in response to the Office Action mailed March 23, 2005, following the amendment format set forth under 37 CFR §1.121. After this introductory section, there are Amendments to the Claims and then Remarks, each starting on a separate page.

Amendments to the Claims consist of amendments for claims 1, 6, 11, and 16, which are incorporated in a complete listing of the claims.